



065-7331GPOEP

16-port 10/100/1000BaseT/TX

PoE/PoE+ plus

2 -- 1000Base SFP port Switch

User's Manual

Overview

The Signamax 065-7331GPOEP PoE/PoE+ Switch is an 18-port unmanaged Gigabit PoE/PoE+ switch with 16 10/100/1000BaseT/TX unmanaged PoE/PoE+ ports supporting IEEE 802.3af/at terminal devices as a PoE Power Source Equipment (PSE). In addition, when a device other than a PoE Powered Device (PD) is connected to a PoE-equipped port, the switch will not supply PoE power to that port, ensuring safety for data-only connections. This device provides full 30 watt power to all sixteen PoE/PoE+-capable ports. It also supports two 1000Base SFP ports for fiber backhaul and distributed PoE/PoE+ solutions. It has a 1U rack mount form factor, with the rack mounting hardware included.

PoE switches supply power and transfer data by using network cables; network cables do not require a qualified electrician to install them, and can be located anywhere, reducing the time and expense of having electrical power cabling installed.

The Signamax 065-7331GPOEP is the ideal choice for those who desire to economically deploy wireless access points, IP cameras, access control devices, and IP telephones.

Key Features

- **IEEE 802.3af/at Power over Ethernet PoE/PoE+ compliant.**
- **Supports sixteen (16) 10/100/1000 Mbps Gigabit Ethernet 10/100/1000BaseT/TX PoE/PoE+ ports with 2 Gigabit 1000Base SFP uplink ports (18 ports total).**
- **Provides up to 30 watts for each PoE port. (250 watts total power supply).**
- **Automatically detects presence of and the PoE Power Class level of a Powered Device.**
- **36 Gbps switching bandwidth. Full wire-speed non-blocking reception and transmission.**
- **Forwarding rate:**
 - **1000 Mbps: 1,488,000 pps**
 - **100 Mbps: 148,800 pps**
 - **10 Mbps: 14,880 pps**
- **Status LEDs:**
 - **System power**
 - **PoE**
 - **Speed (10/100/1000 Mbps)**
 - **Link / Activity**
- **Store-and-forward switching method.**
- **Back pressure Flow Control for Half-Duplex mode.**
- **IEEE 802.3x Flow Control for Full-Duplex mode.**
- **Plug and Play.**

User Guide:

1. Check the PoE switch:

- 1. Please check the enclosure, the RJ-45 ports, and the LED indicators, making sure they are ok.**
- 2. Connect the PoE switch to AC power, making sure the initialization of the PoE switch occurs as below:**
 - POE indicator is off when power is connected.**
 - POW indicator is on and remains on after connection to AC power.**
 - Other indicators will be on, then off after one or two seconds.**

2. Cable connection:

- 1. Connect the Switch to Computer or other PD (such as an IP camera or wireless AP) by Cat. 5 or better cables.**
- 2. Connect the external power cord to the Switch and the power cord to AC plug**
- 3. Turn on the switch**

Caution:

- 1) All operation should be provided only by a qualified service technician.**
- 2) Make sure the PDs you connected to the Switch are compliant with IEEE 802.3af or 802.3at.**
- 3) Make sure the power is off before unplugging the AC power.**
- 4) Makes sure all PoE PDs power consumption is less than total power**
- 5) Please avoid any heavy thing placed on the Switch.**
- 6) Do not use this product near water, for example, in a wet basement or near a swimming pool.**
- 7) Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.**
- 8) For outdoor use, the Switch itself should be housed inside a protective enclosure.**
- 9) Cutting power during a firmware upgrade can damage your device.**
- 10) Only use attachments/accessories specified by the manufacturer.**
- 11) Opening the switch or tampering with the warranty sticker can void your warranty.**

Technical specifications:

Applicable Standards	IEEE 802.3i 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X (via SFP module) IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet
Speed	100/1000 Mbps Full Duplex Network Port: 10/100/1000BaseT/TX Ethernet RJ-45 Port
Performance	Bandwidth: 36 Gbps Network delay(100 to 1000 Mbps): Max 20 microseconds (64 Byte packets). Network delay (1000 to 1000 Mbps) : Max 20 microseconds (64 Byte packets). MAC Address Capacity: 8K Frame Filtering and transmission rate: <ul style="list-style-type: none">• 10 Mbps: 14,800 pps• 100 Mbps: 148,800 pps• 1000 Mbps: 1,488,000 pps
LED Status Indicators	System, Power supply Per Port: Link/ACT speed, 10/100M network mode, 1000M network mode, POE support, POE supply
Power Supply	Maximum Power Supply Capacity: 250W
Physical Characteristics	Dimensions: 17.3 x 13.78 x 1.73 in. W x D x H (440 x 350 x 44 mm) Weight: 11 lb. (5 kg)
Environmental Specifications	Operating Temp: 32°~104°F (0°~40°C) Storage Temp: -40~158°F (-40~75°C) Operating Humidity: 10%~90% RH Non-condensing Storage Humidity: 5%~90% RH Non-condensing
Certificate	CE, FCC ROHS
Warranty	5 Year

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